

Appendix Table 1. Intervention Attendance

	Tai Chi (N=151)		Aerobic Exercise (N = 75)		Total
	1x12 weeks (N=39)	2x12 weeks (N=37)	1x24 weeks (N=39)	2x24 weeks (N=36)	(N=226)
Attendance Rate, Mean (SD)*	66.7 (28.7)	65.1 (26.0)	57.2 (27.9)	57.8 (33.3)	54.9 (30.9)
Participants by Attendance Rate, n (%)					
70% - 100%	21 (53.9)	21 (56.8)	16 (41.0)	17 (47.2)	88 (38.9)
50% - 69%	7 (18.0)	3 (8.1)	10 (25.6)	6 (16.7)	38 (16.8)
1% - 49%	9 (23.1)	11 (29.7)	11 (28.2)	11 (30.6)	83 (36.7)
0%	2 (5.1)	2 (5.4)	2 (5.1)	2 (5.6)	17 (7.5)

*Treated participants only.

Appendix Table 3: Mean Change from Baseline for Sensitivity Analyses*

Variable	Tai Chi 1x12 weeks (N = 39)	Tai Chi 2x12 weeks (N = 37)	Tai Chi 1x24 weeks (N = 39)	Tai Chi 2x24 weeks (N = 36)	Aerobic Exercise 2x24 weeks (N = 75)
Main results from Table 2 for comparison					
Week 12	-16.5 (-23.4, -9.6)	-12.3 (-19.0, -5.6)	-6.6 (-12.8, -0.3)	-17.2 (-24.0, -10.3)	-6.2 (-11.0, -1.4)
Week 24	-11.4 (-18.7, -4.1)	-11.4 (-18.4, -4.4)	-16.7 (-23.4, -10.1)	-25.4 (-32.3, -18.4)	-9.2 (-14.3, -4.1)
Week 52	-14.3 (-21.7, -7.0)	-10.2 (-17.3, -3.1)	-13.6 (-20.4, -6.8)	-22.7 (-30.0, -15.4)	-11.7 (-16.7, -6.6)
Adjusted for baseline age, duration of body pain, HADS Anxiety score (subscale range, 0-21)†, Arthritis Self-Efficacy Scale score (range, 1-10)‡, Pittsburgh Sleep Quality Index score (range, 0-21)†, SF-36 Mental Component score‡, 6-minute walk test score, and attendance rate					
Week 12	-14.4 (-21.6, -7.1)	-11.3 (-18.4, -4.2)	-6.2 (-12.9, 0.4)	-16.5 (-23.8, -9.1)	-7.5 (-12.6, -2.3)
Week 24	-11.7 (-19.1, -4.3)	-10.3 (-17.6, -3.0)	-16.2 (-23.3, -9.2)	-24.4 (-31.7, -17.0)	-9.9 (-15.3, -4.5)
Week 52	-13.6 (-21.2, -6.0)	-10.8 (-18.2, -3.4)	-12.8 (-19.9, -5.6)	-22.2 (-29.6, -14.8)	-12.0 (-17.3, -6.7)
Multiple Imputation					
Week 12	-14.6 (-21.6, -7.6)	-11.3 (-18.3, -4.3)	-6.5 (-13.1, 0)	-16.4 (-23.6, -9.2)	-7.5 (-12.5, -2.5)
Week 24	-12.2 (-19.4, -5.1)	-10.6 (-17.9, -3.4)	-15.7 (-22.6, -8.9)	-24.3 (-31.5, -17.2)	-10.1 (-15.3, -4.9)
Week 52	-14.1 (-21.5, -6.7)	-11.8 (-19.1, -4.5)	-13.6 (-20.6, -6.6)	-21.8 (-29.1, -14.5)	-12.4 (-17.6, -7.3)

FIQR = Revised Fibromyalgia Impact Questionnaire; HADS = Hospital Anxiety and Depression Scale; SF-36 = 36-Item Short Form Health Survey.

* All values are estimated means, with 95% confidence intervals.

† Higher scores reflect more severe symptoms.

‡ Higher scores indicate better status.

Appendix Table 5: Adverse Events Summary (Revised with Rates Included*)

	Adverse Event	Rate	Serious Adverse Event (Rate)	Unanticipated Problem
Tai Chi (Total)	117	117/151 = 77.5%	7 (4.6%)	0
Related	8	8/151 = 5.3%	0	0
Unrelated	109	109/151 = 72.2%	7 (4.6%)	0
Mild	71	71/151 = 47.0%	-	0
Moderate	39	39/151 = 25.8%	-	0
Severe	7	7/151 = 4.6%	7 (4.6%)	0
Aerobic Exercise (Total)	37	37/75 = 49.3%	5	0
Related	4	4/75 = 5.3%	0	0
Unrelated	33	33/75 = 44.0%	5 (6.8%)	0
Mild	18	18/75 = 24.0%	0	0
Moderate	16	16/75 = 21.3%	0	0
Severe	3	3/75 = 4.01%	5 (6.8%)	0
Total	154	154/226 = 68.1%	12 (5.3%)	0

*Adverse events designated as “Not Related,” “Remote,” and “Possible” were categorized in this table as “Unrelated”; those designated as “Probable” and “Highly Probably” were categorized as “Related.”

Appendix Table 6: Data on Analgesic Drugs

Analgesic drugs	Weeks	Aerobic Exercise vs. Tai Chi groups combined		Tai Chi: 12-week vs. 24-week		Tai Chi: 1x/week vs. 2x/week	
		OR (95% CI)	P-value	OR (95% CI)	P-value	OR (95% CI)	P-value
Paracetamol	12	1.33 (0.48, 3.67)	0.58	1.64 (0.41, 6.67)	0.49	0.96 (0.24, 3.88)	0.95
	24	1.93 (0.69, 5.43)	0.21	1.86 (0.44, 7.88)	0.40	0.93 (0.22, 3.96)	0.93
	52	2.07 (0.72, 5.99)	0.18	0.77 (0.17, 3.53)	0.73	3.10 (0.67, 14.33)	0.15
Narcotics	12	0.99 (0.32, 3.03)	0.99	1.63 (0.36, 7.26)	0.52	2.03 (0.45, 9.06)	0.36
	24	0.89 (0.28, 2.80)	0.84	0.75 (0.16, 3.46)	0.72	2.59 (0.56, 11.94)	0.22
	52	1.08 (0.33, 3.51)	0.90	1.81 (0.34, 9.63)	0.49	0.94 (0.18, 5.01)	0.95
NSAIDs	12	0.34 (0.05, 2.45)	0.29	1.43 (0.13, 16.15)	0.77	1.54 (0.15, 15.69)	0.72
	24	0.56 (0.08, 3.80)	0.56	0.23 (0.02, 2.69)	0.24	1.79 (0.17, 18.47)	0.63
	52	0.73 (0.10, 5.12)	0.75	0.19 (0.01, 2.64)	0.22	2.47 (0.2, 30.86)	0.48

NSAIDs = Nonsteroidal anti-inflammatory drugs; OR = Odds ratio.